

Week	Date	Topic
1	Sep 04	Mechanical vibration of SDOF-systems: modell, stiffness, mass, damping, DE of motion, free vibration
2	Sep 11	Mechanical vibration of SDOF-systems: free vibration, harmonic forcing
3	Sep 18	Mechanical vibration of SDOF-systems: harmonic forcing, support motion
4	Sep 25	Mechanical vibration of SDOF-systems: general forcing, response spectra. Sep.25. 14:00 – Sep.26. 12:00: 1st Individual assignment
5	Oct 02	Mechanical vibration of MDOF-systems: modell, mass matrix, stiffness matrix, DE of motion
6	Oct 09	Mechanical vibration of MDOF-systems: free vibration, generalized eigenvalue problem, modal analysis Oct.09. 14:00 – Oct.10. 12:00: 2nd Individual assignment
7	Oct 16	Test 1: Mechanical vibration of SDOF-systems, free vibration of MDOF-systems (in the class)
8	Oct 23	<i>No class</i>
9	Oct 30	Mechanical vibration of MDOF-systems: harmonic forcing, support vibration
10	Nov 06	Mechanical vibration of MDOF-systems: examples, free and forced vibration
11	Nov 13	Mechanical vibration of frame structures
12	Nov 20	Mechanical vibration of continua: FE modelling Nov.20. 14:00 – Nov.21. 12:00: 3rd Individual assignment
13	Nov 27	Mechanical vibration of continua: transversal vibration
14	Dec 04	Test 2: Mechanical vibration of MDOF-systems (in the class)
rep. Week	Dec 11	Retake test: Mechanical vibrations (8-10)

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